

# TM01 AAC BLOCK ADHESIVE

DS-EN-TM01-0727

## PRODUCT NAME

TM01 AAC Block Adhesive

## COLOR

Grey

## MANUFACTURER

TAMMY Energy-saving Building Materials (Beijing) Co., Ltd.

**Website:** [www.thmaterials.com](http://www.thmaterials.com)

### Customer Service Hotline:

400-811-1515 (China)

86-10 68315916 (International)

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## PRODUCT DESCRIPTION

TM01 AAC Block Adhesive is an economical, polymer modified masonry mortar for laying aerated light weight concrete, cellular concrete blocks, fly-ash bricks, cement hollow blocks or smoothing over the block work substrate in layers of up to 12mm thickness.

## FEATURES AND BENEFITS

- Easy to use, just mix with water
- No curing required
- High strength and flexible
- Excellent compressive strength and bond strength
- Improved adhesion between two blocks
- Long working time

## USES

Interior and exterior use for preparing thin bed adhesive for AAC

## SUITBLE SUBSTRATES

- Aerated light weight concrete

- Cellular concrete blocks
- Fly-ash bricks,
- Cement hollow blocks
- Cement mortar blocks

## PACKAGING

40kg/bag

## APPROXIMATE COVERAGE

Coverage varies on smoothness and evenness of the substrate, size of blocks and the thickness of mortar. Usually 15m<sup>2</sup> per 40kg bag when used at 3mm bed thickness on the block size of 600mm\*200mm\*100mm.

## SHELF LIFE

Storage temperature range between 5°C and 35°C, in dry and cool area, the product shelf life in factory sealed containers is 12 months..

\* High humidity will reduce the shelf life of bagged products.

## LIMITATIONS AND CAUTIONS

- Mixed mortar should be finished within 1 hours
- During cold weather, protect finished work from use until fully Cured
- Tools need to be cleaned immediately after application as it is difficult to clean after curing
- Keep out of reach of children
- The product contains cement that is stimulus to eyes and the skin, necessary protection tools (clothes) are needed during installation. In case of splashing to the eyes, clean with sufficient water and go to see the doctors when necessary.
- This product contains silica sand that may cause cancer or serious lung problems. A respiration is needed when working in dusty areas and avoid inhalation.

## TECHNICAL DATA

## PHYSICAL PROPERTIES

This product meets and exceeds ANSI A118.1 and ANSI A118.4-1999 standards.

Test	Testing Results	Specification
Compressive Strength /MPa	14	>12
Flexural Strength /MPa	3.5	>3
Tensile Adhesion Strength /MPa	1.4	>1

## WORKING PROPERTIES

Open Time	30 minutes
Time to Full Dry Hard	14 days
Pot life	1 hours
Time to Plaster	24 hours
Wet Density	About 1700kg /m <sup>3</sup>

## APPLICATION

### TOOLS

Low-speed Mixer, Mixing Container, Trowel, Sponge...

### SUBSTRATE PREPARATION

The surfaces temperature should be between 5°C and 35°C. The surfaces also should be structurally sound, dry, clean and free of grease, oil, dirt, chemical agents such as sealers or curing compounds. Rough or uneven concrete surface should made smooth with cement underlayment to provide the required finish. The dry concrete substrate with high water absorption rate should be dampened and the excessive water should be wiped off before installation.

## INSTALLATION

### 1) Mixing

Based on the mixing ratio powder: water = 3:1 (weight ratio), carefully pour the required amount of clean water into a clean mixing container and slowly add the mortar powder. Mix with a low-speed mixer (about 350rpm) to a

smooth, creamy paste consistency. Allow the mortar to slake in the container for 5-10 minutes and remix. Mix occasionally to keep mix fluffy without adding more water and powder.

### 2) Application

#### Thin bed mortar for laying blocks

Apply the mixed mortar with a suitable trowel on the block work in thin layers of 2 to 3 mm, then place the next layer of blocks on the mortar. Keep joints between the blocks as required and fill the joints with additional mortar. Check the plumb of the wall while laying the blocks to keep the wall perfectly vertical to the plumb.

#### Smoothing over the block work

Place a bonding layer of 1 to 2mm thick AAC Block Adhesive with a suitable trowel and press down on the block work. Then apply AAC Block Adhesive at a thickness of 8-10mm, smoothen with a sponge.

#### Using as tile adhesive

AAC Block Adhesive can also be used as a thin set adhesive to install tile and stone on AAC Block or Fly-ash brick walls. Install tile and stone with a suitable notch trowel to achieve desired thickness.

### 3) Plaster

Plumb, square and true concrete block wall can be finished with the applications of Special polymer plaster from TAMMY.

Plasters made with site mix may slump and powder due to water absorption of the block work.

### 4) Cleaning

Clean hands and tools while mortar is fresh.

## AVAILABILITY AND PRICE

### AVAILABILITY

TAMMY products are available worldwide.

For distributor information:

Tel: 400-811-1515 (China)

86-10 68315916 (International)

Email: tammy@thmaterials.com

### PRICE

Contact a TAMMY representative / Authorized dealer in your area.

**TECHNICAL SERVICE****TECHNICAL ASSISTANCE**

Information is available by calling the TAMMY

Technical Service at:

Tel: 400-811-1515 (China)

86-10 68315916 (International)

FAX: 86-10 68318106

**DS AND MSDS**

DS and MSDS are available on TAMMY  
website: [www.thmaterials.com](http://www.thmaterials.com)

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**TAMMY ENERGY-SAVING BUILDING  
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